

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.51(a))

Attorney Docket No.

198069US-20

(First Inventor or Application Identifier)

Samuel G. ARMSTRONG III

Title

METHOD, SYSTEM AND COMPUTER READABLE MEDIUM FOR THE TWO-DIMENSIONAL AND THREE-DIMENSIONAL DETECTION OF LESIONS IN COMPUTED TOMOGRAPHY SCANS

Assignee Name: ARCH DEVELOPMENT CORPORATION

Assignee Address: 5640 South Ellis Avenue, Room 405, Chicago, IL 60637

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

Fee Transmittal Form (e.g. PTO/SB/17)
(Submit an original and a duplicate for fee processing)

2. ☒ Specification

Total Sheets **47**

3. ☒ Formal Drawings
(35 U.S.C. 113)

Total Sheets **12**

4. ☐ Oath or Declaration

Total Pages

a. ☐ Newly executed (original or copy)

b. ☐ Copy from a prior application (37 C.F.R. §1.63(d))
(for continuation / divisional w/ box 16 completed)

i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in
the prior application, see 37 C.F.R. §1.63(d)(2) and
1.33(b).

5. ☐ CD-ROM or CD-R in duplicate, large table or Computer
Program (Appendix)

6. ☐ Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

a. ☐ Computer Readable Form (CRF)

b. Specification or Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); or

ii. ☐ Paper

c. ☐ Statements verifying identity of above copies

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

ACCOMPANYING APPLICATION PARTS

7. ☐ Assignment Papers (cover sheet & document(s))

8. ☐ Application Data Sheet. See 37 CFR 1.76

9. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)

10. ☐ English Translation Document (if applicable)

11. ☐ Information Disclosure
Statement (IDS)/PTO-1449 ☐ Copies of IDS
Citations

12. ☐ Preliminary Amendment

13. ☒ White Advance Serial No. Postcard

14. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)

15. ☒ Applicant claims small entity status.
See 37 CFR 1.27

16. ☒ Other: Request for Priority
Assertion of Small Entity Status
List of Inventors

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application no.:

Prior application information: Examiner:

Group Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. Amend the specification by inserting before the first line the sentence:

☐ This application is a ☐ Continuation ☐ Division ☐ Continuation-in-part (CIP)
of application Serial No. Filed on

☐ Which was published in English

☐ Which was not published in English

☐ This application claims priority of provisional application Serial No. Filed

19. CORRESPONDENCE ADDRESS



22850

(703) 413-3000

FACSIMILE: (703) 413-2220

| | | | |
|------------|---------------------|-------------------|------------------|
| Name: | Eckhard H. Kuesters | Registration No.: | 28,870 |
| Signature: | | Date: | January 16, 2001 |
| Name: | Carlos R. Villamar | Registration No.: | 43,224 |

Docket No. 198069US-20

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S) Samuel G. ARMATO, III et al

SERIAL NO: New Application

FILING DATE: Herewith

FOR: METHOD, SYSTEM AND COMPUTER READABLE MEDIUM FOR TWO-DIMENSIONAL AND...

FEE TRANSMITTAL

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

| FOR | NUMBER FILED | NUMBER EXTRA | RATE | CALCULATIONS |
|---|-----------------|-----------------|-----------|--------------|
| TOTAL CLAIMS | 37 - 20 = | 17 | × \$18 = | \$306.00 |
| INDEPENDENT CLAIMS | 8 - 3 = | 5 | × \$80 = | \$400.00 |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS (If applicable) | | | + \$270 = | \$0.00 |
| <input checked="" type="checkbox"/> LATE FILING OF DECLARATION | | | + \$130 = | \$130.00 |
| BASIC FEE | | | | \$710.00 |
| TOTAL OF ABOVE CALCULATIONS | | | | \$1,546.00 |
| <input checked="" type="checkbox"/> REDUCTION BY 50% FOR FILING BY SMALL ENTITY | | | | \$-773.00 |
| <input type="checkbox"/> FILING IN NON-ENGLISH LANGUAGE | | | + \$130 = | \$0.00 |
| <input type="checkbox"/> RECORDATION OF ASSIGNMENT | | | + \$40 = | \$0.00 |
| TOTAL | | | | \$773.00 |

- ☐ Please charge Deposit Account No. 15-0030 in the amount of _____ A duplicate copy of this sheet is enclosed.
- ☒ A check in the amount of \$773.00 to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Eckhard H. Kuesters
Registration No. 28,870

Carlos R. Villamar
Registration No. 43,224

Date: January 16, 2001



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(OSMMN 10/00)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Samuel G. ARMATO, III et al

GAU:

SERIAL NO: New Application

EXAMINER:

FILED: Herewith

FOR: METHOD, SYSTEM AND COMPUTER READABLE MEDIUM FOR THE TWO-DIMENSIONAL AND...

REQUEST FOR PRIORITY

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

- ☐ Full benefit of the filing date of U.S. Application Serial Number, filed, is claimed pursuant to the provisions of 35 U.S.C. §120.
- ☒ Full benefit of the filing date of U.S. Provisional Application Serial Number 60/176,304, filed January 18, 2000, is claimed pursuant to the provisions of 35 U.S.C. §119(e).
- ☐ Applicants claim any right to priority from any earlier filed applications to which they may be entitled pursuant to the provisions of 35 U.S.C. §119, as noted below.

In the matter of the above-identified application for patent, notice is hereby given that the applicants claim as priority:

| <u>COUNTRY</u> | <u>APPLICATION NUMBER</u> | <u>MONTH/DAY/YEAR</u> |
|----------------|---------------------------|-----------------------|
|----------------|---------------------------|-----------------------|

Certified copies of the corresponding Convention Application(s)

- ☐ are submitted herewith
- ☐ will be submitted prior to payment of the Final Fee
- ☐ were filed in prior application Serial No. filed
- ☐ were submitted to the International Bureau in PCT Application Number .
Receipt of the certified copies by the International Bureau in a timely manner under PCT Rule 17.1(a) has been acknowledged as evidenced by the attached PCT/IB/304.
- ☐ (A) Application Serial No.(s) were filed in prior application Serial No. filed ; and
(B) Application Serial No.(s)
 - ☐ are submitted herewith
 - ☐ will be submitted prior to payment of the Final Fee

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Eckhard H. Kuesters
Registration No. 28,870

Carlos R. Villamar
Registration No. 43,224



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198069US-20

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: :
Samuel G. ARMATO, III et al : GROUP ART UNIT:
SERIAL NO.: New Application :
FILED: Herewith : EXAMINER:
FOR: METHOD, SYSTEM AND :
COMPUTER READABLE
MEDIUM FOR THE...

ASSERTION OF SMALL ENTITY STATUS

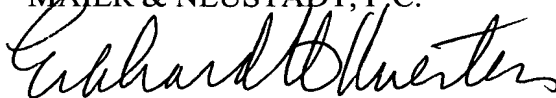
ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

The Applicant's attorney asserts that Applicant is entitled to claim small entity status
for
the above-referenced application filed herewith.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Eckhard H. Kuesters
Registration No. 28,870
Attorney of Record
Carlos R. Villamar
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Docket No. 198069US-20

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Samuel G. ARMATO, III et al

FILING DATE: Herewith

FOR: METHOD, SYSTEM AND COMPUTER READABLE MEDIUM FOR THE TWO-DIMENSIONAL AND...

JC720 U.S. PTO
09/759333
01/16/01

LIST OF INVENTORS' NAMES AND ADDRESSES

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Listed below are the names and addresses of the inventors for the above-identified patent application.

| | |
|-----------------------|--------------------|
| Samuel G. ARMATO, III | Chicago, ILLINOIS |
| Maryellen L. GIGER | Elmhurst, ILLINOIS |
| Heber MACMAHON | Chicago, ILLINOIS |

A declaration containing all the necessary information will be submitted at a later date.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



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